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PROGRESS REPORT

Evaluation of Skylab Imagery as an Information Service for Investigating
Land Use and Natural Resources, (Skylab) NASA Contract: NAS 9-13364.

CR-142217

This report covers the period from February 1 - 28, 1975. During this
period, few significant events occurred. The interviews on the User
Survey were completed and preparations were begun for the April 7
Workshop sessions which includes invitations to the interviewed planners
as well as additional persons representing academic, extension and
state level agencies. Analysis of the interview sessions has begun
and will be completed in time for a presentation at the Workshop session.

Final interpretation of the S-190A and S-190B data has begun. Color
composites selected by the CIE color prediction model used median
density values for each category of land use. These median density
values represented the median value of the estimated density range of
that category. This density range was determined by sampling numerous
points known to represent that land use category. Using the median
value improved the color contrast of the color composite. In construc-
ting histograms of the density range in each category for each set of
spectral bands, it was determined that there was a considerable amount
of overlap in density among the different categories. This confirms
our suspicions that the spectral bands used on the 190A array are
generally too broad to get complete separations among the different
spectral categories. A request has been made for an example of S-192
scanner data to compare information derived from the narrow bands with
that from the broader S-190A bands.

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It is estimated that all the interpretation will be completed by the end of March. The data analysis initial draft of the final report should be completed about the first of May.

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